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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/829,164	04/09/2001	Amando B. Isip JR.	47185/08172	8279

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EXAMINER

TO, BAOQUOC N

ART UNIT	PAPER NUMBER
2172	

DATE MAILED: 03/26/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/829,164	ISIP, AMANDO B.
	Examiner Baoquoc N To	Art Unit 2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on ____.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-27 is/are pending in the application.

4a) Of the above claim(s) ____ is/are withdrawn from consideration.

5) Claim(s) ____ is/are allowed.

6) Claim(s) 1-27 is/are rejected.

7) Claim(s) ____ is/are objected to.

8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on ____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. ____.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.

4) Interview Summary (PTO-413) Paper No(s). ____.

5) Notice of Informal Patent Application (PTO-152)

6) Other: ____.

DETAILED ACTION

1. Claims 1-27 are presented for examination.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 02/24/03. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims rejected under 35 U.S.C. 103(a) as being unpatentable over Courter et al. (US. Patent No. 6,119,128).

Regarding on claims 1, 13, 20 and 27, Courter teaches a method for reorganizing data, comprising:

Reading each record of a source file (primary storage device) (col. 4, lines 40-41);

Writing (copy) each record to a destination file (secondary storage device) (col. 4, lines 41-43);

Creating a log file containing selected log records, each log record associated with a change to be made to the destination file (col. 4, lines 45-46);

Processing each record of the log file to effect the associated change to the destination file (col. 4, lines 45-47); and

Courter does not explicitly teach replacing the source file with the destination file. However, Courter teaches, "the recovery system 122 of the present invention copies the table partitions and partition indexes from the secondary data storage device back to the database" (col. 4, lines 48-20). This teaches copying is the replace the source file

with the destination file. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to include copying the data from the secondary storage device to the primary storage device in the event of system failures.

Regarding on claims 2, 14 and 21, Courter teaches the source file is an index file (col. 4, lines 37-38).

Regarding on claims 3, 15 and 22, Courter teaches the source file is a data file (data in storage is data file) (col. 4, lines 45-50).

Regarding on claims 4, 16 and 23, Courter teaches the step of creating a log file is performed in accordance with instruction of a DBMS log routine (DBMS) (col. 3, lines 29-30).

Regarding on claims 5, 17 and 24, Courter teaches the log file contains a subset of all records processed by the RDBMS log routine (col. 5, lines 46-54).

Regarding on claims 6, 18 and 25, Courter teaches the log file records are selected based on a program call establish by reorganization utility (col. 6, lines 5-13).

Regarding on claims 7, 19 and 25, Courter teaches the program call is removed prior termination of the reorganization utility (col. 6, lines 14-20).

4. Claims 8-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Counter et al. (US. Patent No. 6,119,128) and in view of Barber et al. (US. Patent No. 6,173,292).

Regarding on claim 8, Counter teaches a method for logging changes by a database management system, comprising:

Identifying a change to be logged (modification) (col. 4, lines 45-46);

Creating a log record based on the change (modification are logged in a log file) (col. 4, lines 46-47);

Determining whether the changes affects a reorganizing process (col. 6, lines 6-13);

Storing the log record in the first log file recording selected changes if the change affects the reorganization process (col. 5, lines 48-50); and

Counter does not explicitly teach storing the log record in a second log file recording all changes. However, Barber teaches, "the transaction control 218 builds an in-memory version of the item for the object, by extracting the modified/inserted items from the log file 220 record and unchanged item for their "old" positions in the object" (col. 5, lines 64-67 and col. 6, line 1). This teaches the all the changed stored in the log file 220. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to combine the teaching of Barber and counter because allowing the log file 220 to store all the change to the records would allow the log system to update the most recent data in the event of system failures.

Regarding on claim 9, Counter teaches the first log file resides in virtual storage (buffer) (col. 1, lines 28-29).

Regarding on claim 10, Counter teaches the first log file resides in dataspace (table space) (col. 1, lines 25-26).

Regarding on claim 11, Counter teaches the first log file resides in hiperspace (col. 1, lines 25-26).

Regarding on claim 12, Counter teaches the first log file resides in DASD (col. 5, lines 18-20).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is (703) 305-1949 or via e-mail BaoquocN.To@uspto.gov. The examiner can normally be reached on Monday-Friday: 8:00 AM – 4:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached at (703) 305-4393.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231.

The fax numbers for the organization where this application or proceeding is assigned are as follow:

- (703) 746-7238 [After Final Communication]
- (703) 746-7239 [Official Communication]
- (703) 746-7240 [Non-Official Communication]

Hand-delivered responses should be brought to:

Crystal Park II
2121 Crystal Drive
Arlington, VA 22202
Fourth Floor (Receptionist).

Baoquoc N. To

March 21, 2003

Shahid Al Alam
SHAHID AL ALAM
PATENT EXAMINER